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Conserving aq. dispersions of liposome microcapsules - by freeze-drying to form paste or solid which can be rehydrated prior to use

Patent Assignee: L'OREAL SA (OREA)

Inventor: HANDJANI R M; VANLERBERG G

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Patent Family:

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| BE 873865 | A | 19790801 | | | | 197932 B |
| GB 2013609 | A | 19790815 | | | | 197933 |
| NL 7900822 | A | 19790806 | | | | 197934 |
| DE 2904047 | A | 19790913 | | | | 197938 |
| FR 2416008 | A | 19791005 | | | | 197946 |
| US 4247411 | A | 19810127 | | | | 198107 |
| GB 2013609 | B | 19821208 | | | | 198249 |
| DE 2954558 | A | 19870619 | DE 279954558 | A | 19790202 | 198725 |
| IT 1119264 | B | 19860310 | | | | 198728 |
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Abstract (Basic): BE 873865 A

Conservation of aq. dispersions of liposomes comprising organised molecular layers between which is encapsulated an aq. phase contg. ≥ 1 active substances, the layers comprising ≥ 1 lipids of formula X-Y (where Y is lipophilic gp. and X is (non)ionic hydrophilic gp.) the spherules having a dia. of 100 to 50,000 angstroms, comprises (a) preparing an aq. dispersions; and (b) freeze-drying to give a paste or solid; shortly before use the paste or solid is rehydrated to regenerate the original compsn.

The prepns. may be stored for long periods without changing the permeability of the liposomes. Useful for compns. containing skin and scalp-treating agents, water-soluble sunscreen agents, deodorants, astringents, perfumes, water-soluble dyes, decolourizing oxidizers, vitamins, hormones, vaccines, bactericides etc.

Title Terms: CONSERVE; AQUEOUS; DISPERSE; LIPOSOME; MICROCAPSULE; FREEZE; DRY; FORM; PASTE; SOLID; CAN; REHYDRATED; PRIOR

Index Terms/Additional Words: SKIN; SCALP; TREAT; SUNSCREEN; DEODORISE; ASTRINGENT; PERFUME; HORMONE; BACTERIA; VACCINE

Derwent Class: A96; B04; D21; D22; P33; Q76

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